

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number  
**WO 2005/016362 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 35/78**

(21) International Application Number:  
PCT/KR2003/001660

(22) International Filing Date: 18 August 2003 (18.08.2003)

(25) Filing Language: Korean

(26) Publication Language: English

(71) Applicant (for all designated States except US): YUYU  
INC. [KR/KR]; 212 Suksoo-dong, Manan-ku, Anyang-si,  
Kyungki-do 430-040 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): KO, Sung Kwon  
[KR/KR]; Daelim Apt., #7-1001, 100, Eungbong-dong,  
Sungdong-ku, Seoul 133-771 (KR).

(74) Agent: HUH, Sang-Hoon; 16th Fl., Woori Investment  
Bank Bldg., 826-20, Yeoksam-dong, Kangnam-ku, Seoul  
135-080 (KR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK,  
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,  
MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,  
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2005/016362 A1

(54) Title: A GINSENG PREPARATION USING VINEGAR AND PROCESS FOR THEREOF

(57) Abstract: The present invention relates to a ginseng preparation using vinegar and a process for preparing the same, more particularly to a ginseng preparation comprising high concentrations of ginsenosides (Rg<sub>3</sub>, Rg<sub>s</sub>, and Rh<sub>1</sub>), which are generated by heat and exist only small amounts in red ginseng comprising various organic acids of vinegar, including citric acid, which is prepared by adding vinegar of pH 2 to 4 to ginseng, heat-extracting the same for 0.5 to 24 hours, and a method for preparing the ginseng preparation.